

ABSTRACT OF DISCLOSURE

A lithium battery including a lithium negative electrode, a positive electrode, a separator and an electrolyte. The lithium negative electrode is prepared by melting lithium metal under an inert gas atmosphere to prepare a liquid lithium metal and coating the liquid lithium metal on a current collector. The positive electrode includes a positive active material, an electrically conductive material, and a binder. The separator is placed between the positive and the negative electrodes, and the electrolyte is immersed in the positive and negative electrodes and separator, and includes a lithium salt and organic solvents.